

☐ SECRET☒ CONFIDENTIAL 998485☐ UNCLASSIFIEDApproved For Release 2004/07/29 : CIA-RDP78B04779A000200010030-7  
CONTRACT INSPECTION REPORT

25X

TO:

CONTRACT ADMINISTRATION & SETTLEMENT  
BRANCH/PD/OL

DATE

10 August 1967

INSPECTION REPORT NO. (If final, so state)

10

ESTIMATED COMPLETION DATE

16 October 1967

NAME OF CONTRACTOR

## Phase II: Image Correlation Test Programs

THE CONTRACTOR IS ON SCHEDULE

☒ YES☐ NOTHE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS ☒ YES ☐ NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.

PER CENT OF WORK COMPLETED -

PER CENT OF FUNDS EXPENDED -

HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? ☒ YES ☐ NO (If yes, give details on reverse side.)HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? ☐ YES ☐ NO (If yes, indicate items, quantity, and cost on reverse side.)

## INCENTIVES

IS THIS AN INCENTIVE CONTRACT  
IF YES, CHECK TYPE☒ YES☐ NO☒ COST☒ AWARD FEE☒ PERFORMANCE☐ DELIVERY

NOTE:

USE REVERSE SIDE FOR COMMENTS.

FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.

## OVERALL PERFORMANCE OF CONTRACTOR

1. ☐ OUTSTANDING4. ☒ ABOVE AVERAGE7. ☐ UNSATISFACTORY2. ☐ EXCELLENT5. ☐ AVERAGE3. ☐ VERY GOOD6. ☐ MINIMUM ACCEPTABLE

IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR MINIMUM ACCEPTABLE INDICATE REASONS ON REVERSE SIDE.

## RECOMMENDED ACTION



CONTINUE AS PROGRAMMED

WITHHOLD PAYMENT PENDING  
SATISFACTORY PERFORMANCE

TERMINATE



OTHER (Specify)

IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:

ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		

DATE OF LAST CONTACT WITH CONTRACTOR

13 July 1967

SIGNATURE OF INSPECTOR

DIVISION

FORM  
8-66

1897

PREVIOUS  
EDITION

Approved For Release 2004/07/29 : CIA-RDP78B04779A000200010030-7

☐ UNCLASSIFIED☒ CONFIDENTIAL☐ SECRET

(12-36)

Declass Review by NGA.

☐ SECRET☐ CONFIDENTIAL☐ UNCLASSIFIED

Approved For Release 2004/07/29 : CIA-RDP78B04770A000200040030-7

## NARRATIVE REPORT

☐ INTERIM☐ FINAL

On 16 April 1967 this contract was amended to provide for a redirection of effort; specifically, to conduct three separate tasks, the results of which (to be delivered by 16 Oct 67) will support the development effort under way for an Automated Stereo Scanner under Contract [redacted] 25X

Task 1, "Distortion Feedback Servo Loop Stability"— involves the use of transparencies and a PDP-1 computer/scanner to generate simulated correlation error signals which are operated upon by a new computer program to reduce the "error" to a negligible level. A report containing qualitative and quantitative data (including computer printout and photos of a CRT display of "discriminator functions" and plots of the iterative process) on the stability of operation of automatic correlation logic will result. The program to eliminate displacement, scale, and skew errors has been written and several subroutines have been added to ease the operator input task. Intensive tests for a variety of images and densities have been started to determine maximum pull-in ranges, limits on simultaneous distortions and feedback parameters.

Task 2, "Registration Correction Accuracy"— involves the outfitting of the EROS (presently at [redacted] as GFS) with a "floating mark" reticle system and the conducting of a series of tests to determine accuracy: of observation means, of observation with servo disturbances included, and of automatic parallax clearance. All of these tests have been conducted in a preliminary manner, revealing some minor deficiencies in the apparatus. Calibration of the "floating mark" and preparation of a detailed test plan is under way. Final tests will then be executed and a written report made. 25X

Task 3, "Image Dissector Scan Distortion"— involves the modification of the video system breadboard being assembled for the Automated Stereo Scanner Contract [redacted] This modification implements a closed loop servo system independent of optical distortions. It is expected that this will improve the efficiency of acquiring and maintaining automatic stereo in the final design of the Stereo Scanner. The circuits for providing electronic distortion of the scanning raster, required by this design, have been installed and tested functionally. Preliminary test results only will be reported by 16 October 1967, since the overall test results on the video breadboard, leading to the finalized design of the Stereo Scanner depend upon the schedule for that contract [redacted] X1

Approved For Release 2004/07/29 : CIA-RDP78B04770A000200040030-7

☐ UNCLASSIFIED☐ CONFIDENTIAL☐ SECRET